

CLAIMS

1. A gas supply device comprising a portable  
5 container (50) that can be coupled to a recharging base  
(1) for filling purposes, said base being able to be  
connected to a gas source and including an area (2) for  
receiving the portable container (50), characterized in  
10 that the container (50) includes an electronic label  
(19) and the base (1) includes, in the vicinity of said  
area (2), a read device (20) for reading such a label  
when the container is coupled to the base, the read  
device being connected to a control unit (9) for  
controlling the supply of gas via the base.
- 15
2. The device as claimed in claim 1, characterized in  
that the label (19) and the read device (20) are  
respectively arranged in the vicinity of the members  
(18; 4) for fluid connection between the container (50)  
20 and the base (1).
3. The device as claimed in claim 2, characterized in  
that the label (19) is of the passive type with  
emulation by radiofrequency induction.
- 25
4. The device as claimed in claim 3, characterized in  
that the read device (20) includes an antenna  
surrounding the nozzle (4) for coupling to the  
container (50).
- 30
5. The device as claimed in one of the preceding  
claims, characterized in that the base (1) includes, in  
the low-pressure gas circuit (7), a solenoid valve (11)  
connected to the control unit (9).
- 35
6. The device as claimed in one of the preceding  
claims, characterized in that the base (1) includes, in  
the high-pressure gas circuit (5), a pressure sensor

- 7 -

(8) connected to the control unit (9).

7. The device as claimed in one of the preceding claims, characterized in that the base (1) includes  
5 means (10) for displaying data contained in the control unit (9).

8. The device as claimed in one of the preceding claims, characterized in that the base (1) includes  
10 means (21, 22), connected to the control unit (9), for externally transmitting data contained in the control unit.